

Title (en)

AN ARRANGEMENT FOR SUPPORTING A STEEL PILE IN AN IMPACT PILE DRIVING DEVICE, AN IMPACT PILE DRIVING DEVICE, AN IMPACT PILE DRIVING MACHINE, AND A METHOD FOR ARRANGING THE SUPPORT OF A STEEL PILE IN AN IMPACT PILE DRIVING DEVICE

Title (de)

VORRICHTUNG ZUR UNTERSTÜTZUNG EINES STAHLPFAHLS IN EINER PFAHLRAMMVORRICHTUNG, PFAHLRAMMVORRICHTUNG, PFAHLRAMMMASCHINE UND VERFAHREN ZUM ANORDNEN DER UNTERSTÜTZUNG EINES STAHLPFAHLS IN EINER PFAHLRAMMVORRICHTUNG

Title (fr)

AGENCEMENT DESTINÉ À SUPPORTER UN PIEU EN ACIER DANS UN DISPOSITIF DE BATTAGE DE PIEUX À PERCUSSION, DISPOSITIF DE BATTAGE DE PIEUX À PERCUSSION, MACHINE DE BATTAGE DE PIEUX À PERCUSSION, ET PROCÉDÉ DE MISE EN PLACE DU SUPPORT D'UN PIEU EN ACIER DANS UN DISPOSITIF DE BATTAGE DE PIEUX À PERCUSSION

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Abstract (en)

[origin: WO2016059299A1] The invention relates to an arrangement for supporting a thin-walled steel pile (5; 17; 26; 35) in an impact pile driving device, the arrangement comprising a supporting surface (4; 14; 23; 31), to which the steel pile (5; 17; 26; 35) can be supported, and in which arrangement the supporting surface (4; 14; 23; 31) is provided with one or more absorbing surfaces (6; 16; 25; 33) to be placed against the end of the wall (8; 18; 26; 36) of the steel pile (5; 17; 26; 35). In the arrangement according to the invention, the absorbing surface (6; 16; 25; 33) is configured to shape the end of the wall (8; 18; 27; 36) of the steel pile (5; 17; 26; 35) coming against the absorbing surface (6; 16; 25; 33), by the effect of the impact driving of the steel pile (5; 17; 26; 35), so that at least the part of the wall (8; 18; 27; 36) at the absorbing surface (6; 16; 25; 33) of the wall (8; 18; 27; 36) is shaped against the absorbing surface (6; 16; 25; 33), wherein the movement of the wall (8; 18; 27; 36) in the direction of a plane transverse to the direction of impact driving of the steel pile is prevented, at least at the head of the steel pile (5; 17; 26; 35). Also, the absorbing surface (6; 16; 25; 33) in the supporting surface (4; 14; 23; 31) can be configured to be shaped by the effect of the impact driving of the steel pile (5; 17; 26; 35) so that the absorbing surface (6; 16; 25; 33) is shaped against the part of the wall (8; 18; 27; 36) of the steel pile (5; 17; 26; 35) at the absorbing surface (6; 16; 25; 33), whereby the movement of the wall (8; 18; 27; 36) at the head of the steel pile (5; 17; 26; 35) is prevented. The invention also relates to a method for arranging the support of a steel pile (5; 17; 26; 35) in an impact pile driving device.

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